



USPTO 07/120,000
Reply to NOTICE REGARDING DRAWINGS
DATED 06/28/2004
REPLACEMENT DRAWINGS

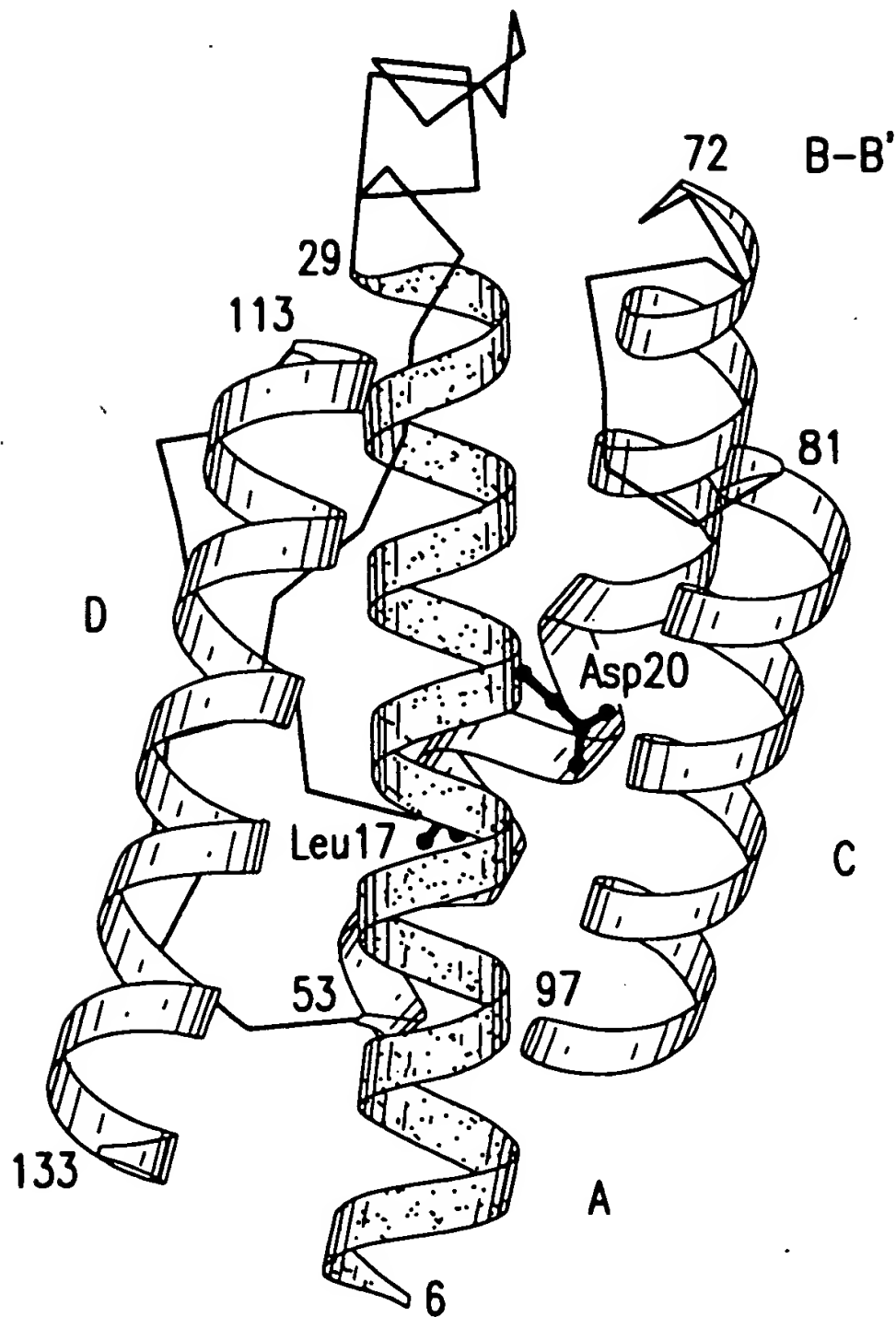


FIG. 1

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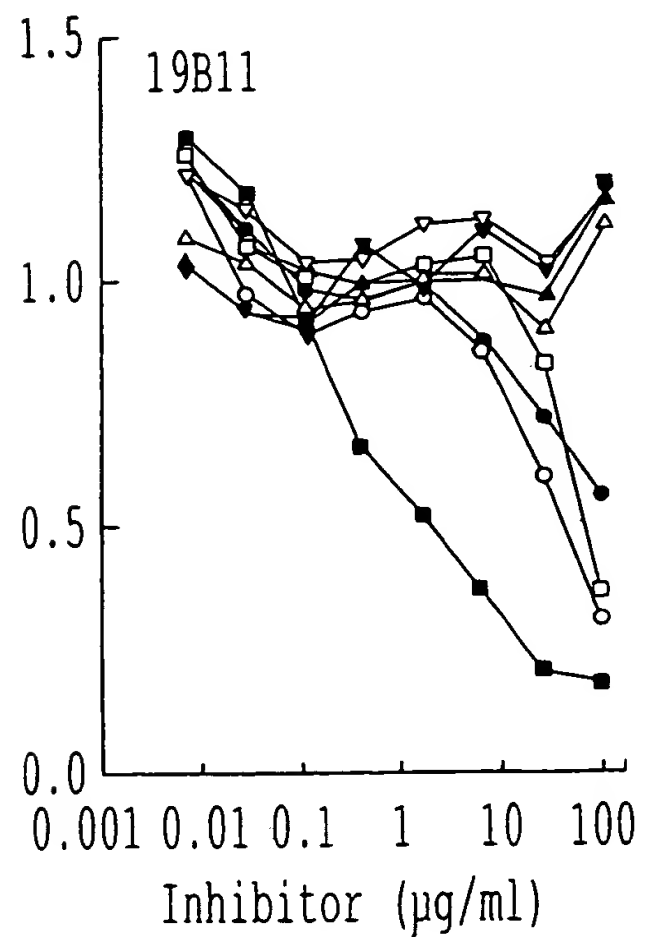
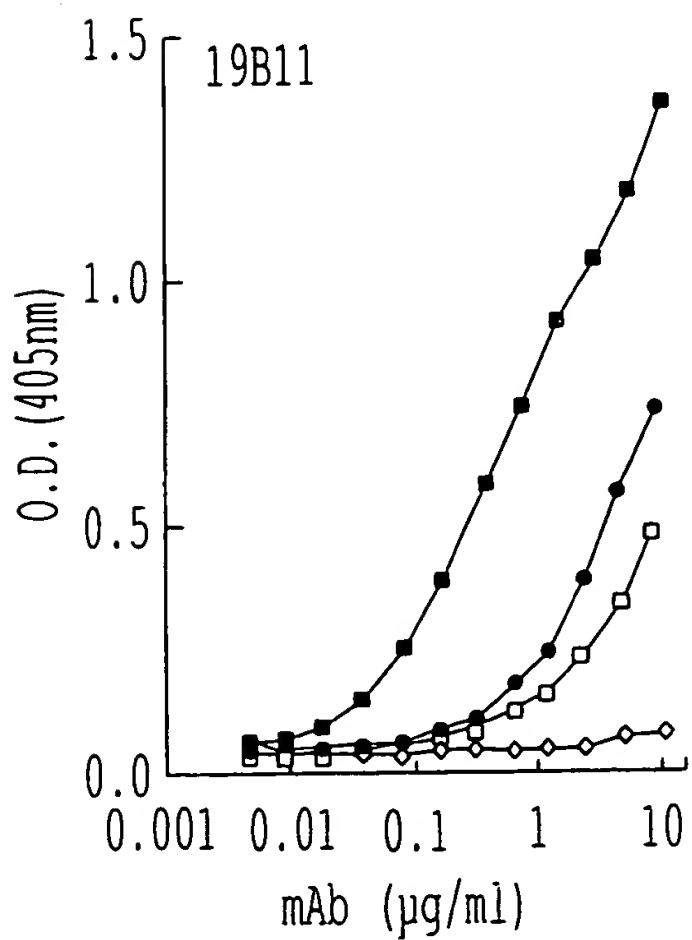
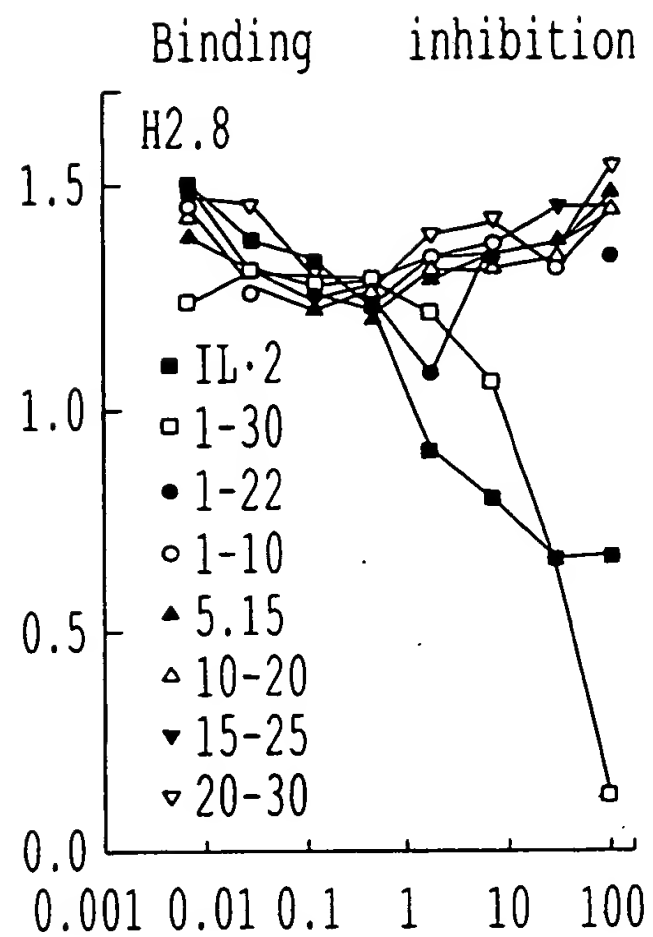
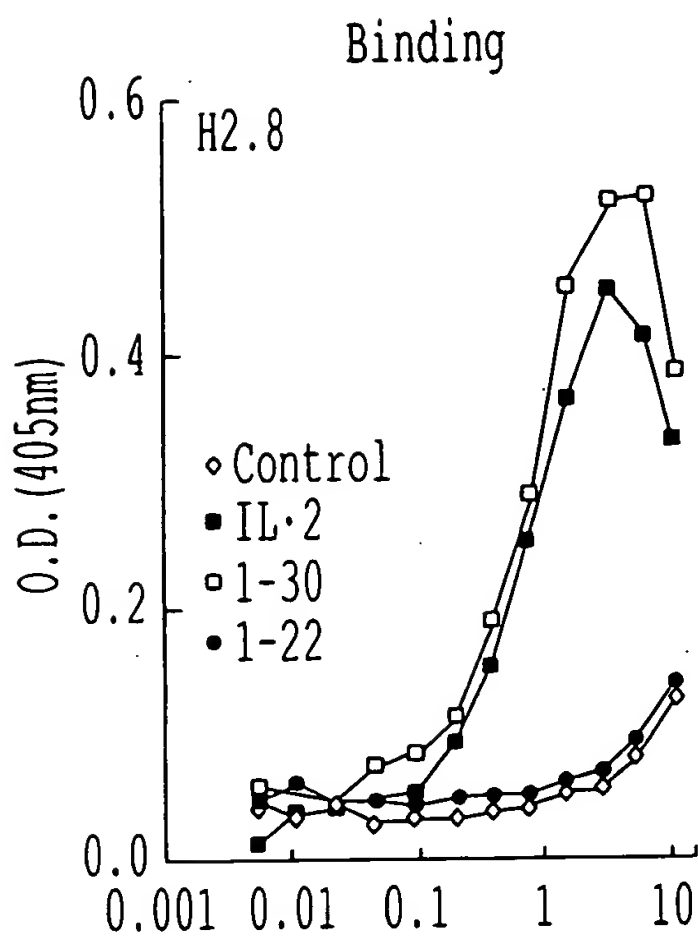


FIG. 2

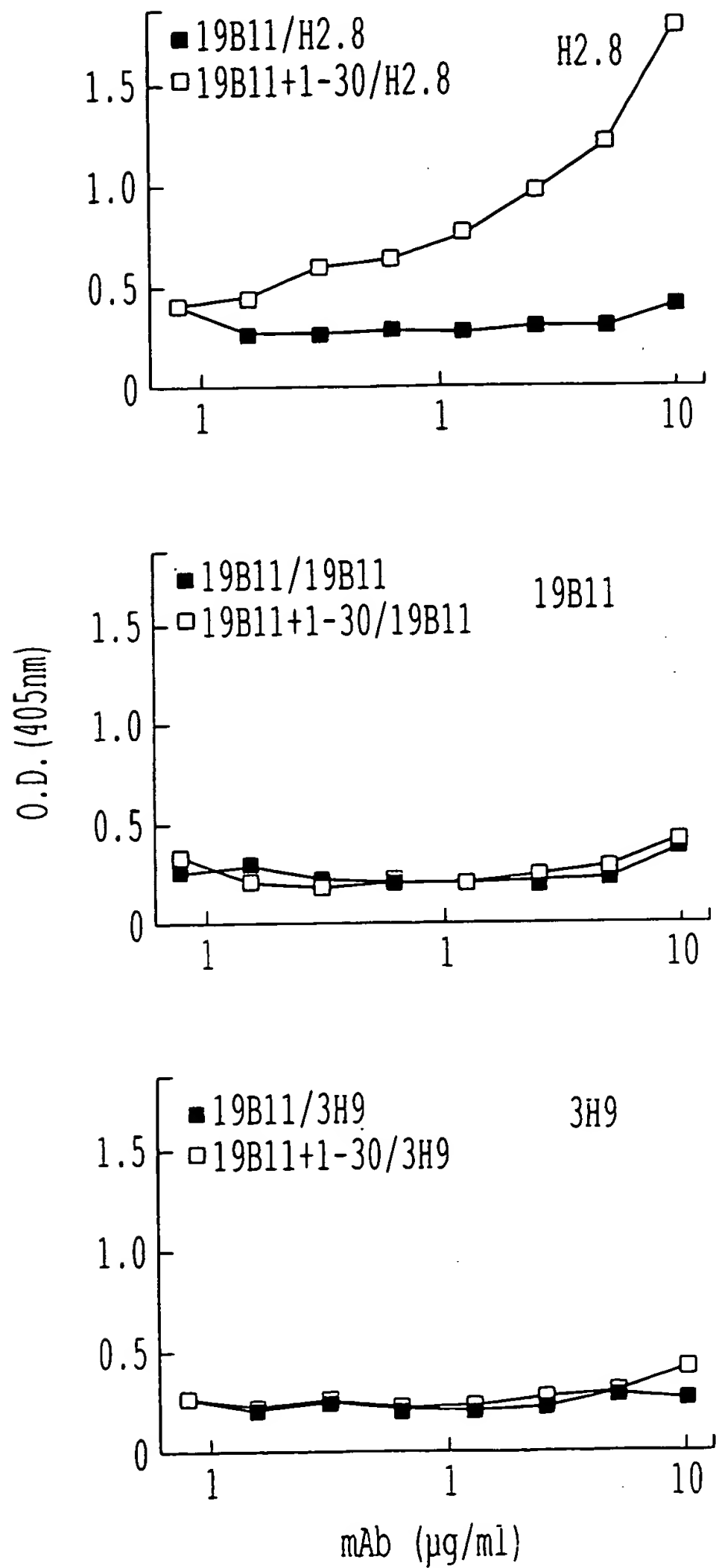


FIG. 3

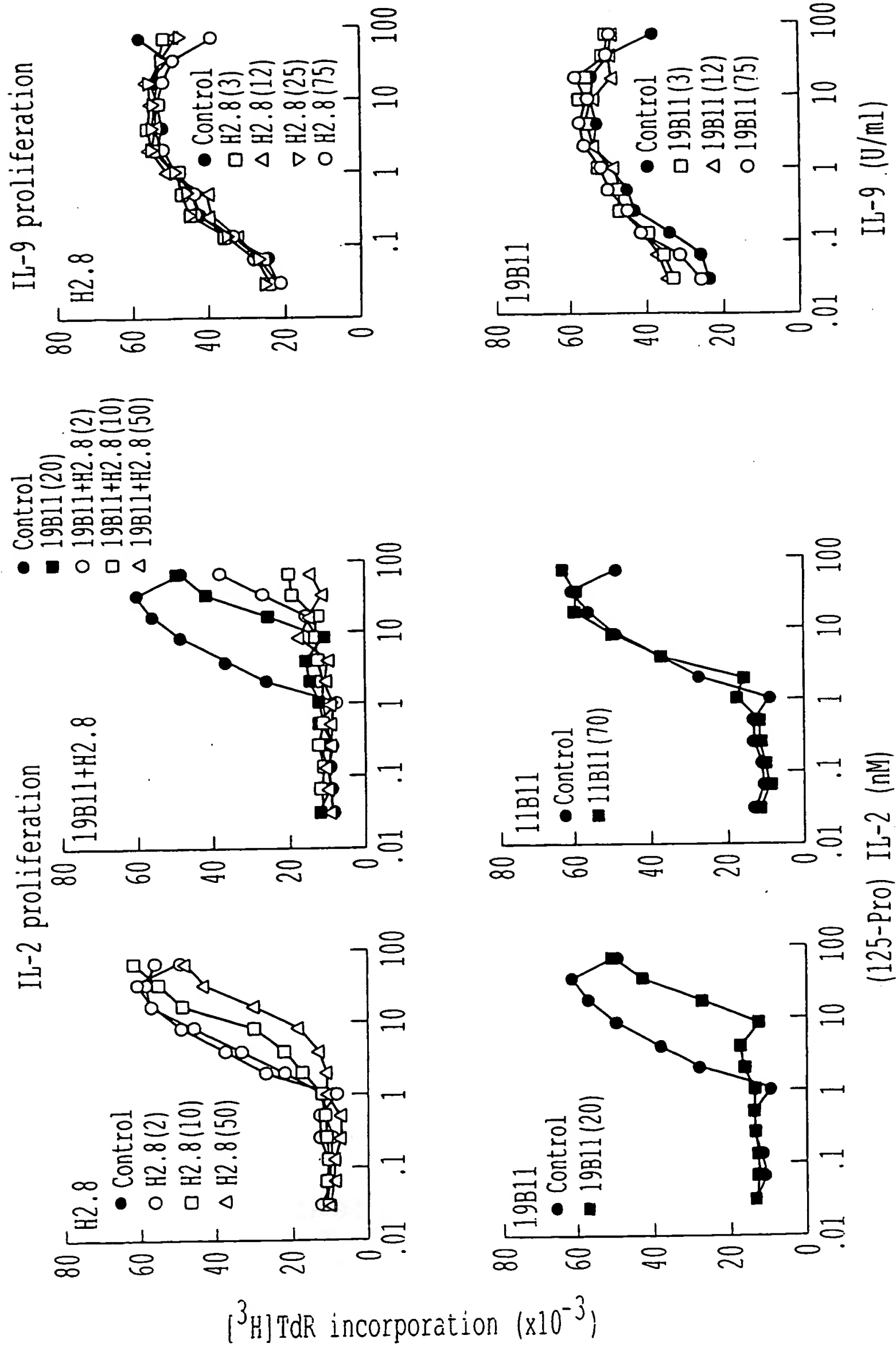


FIG. 4

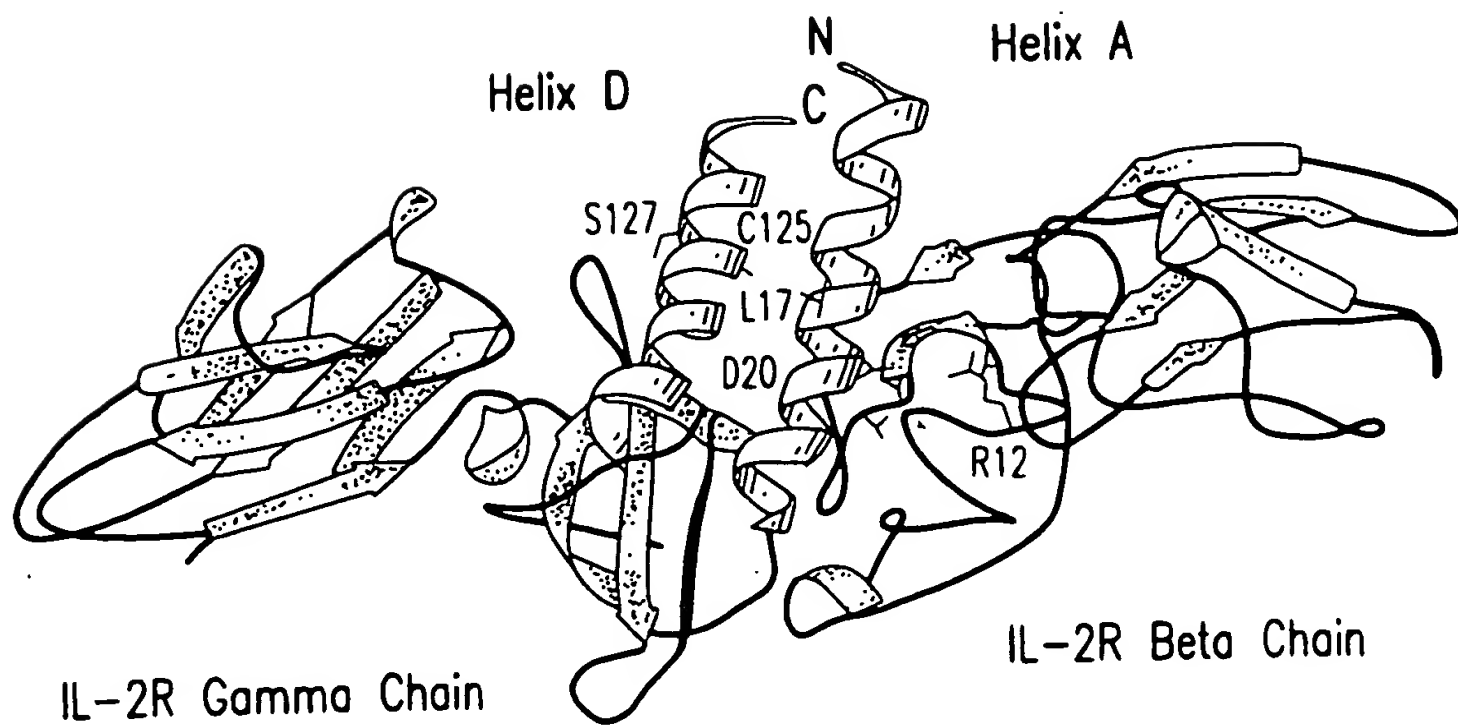
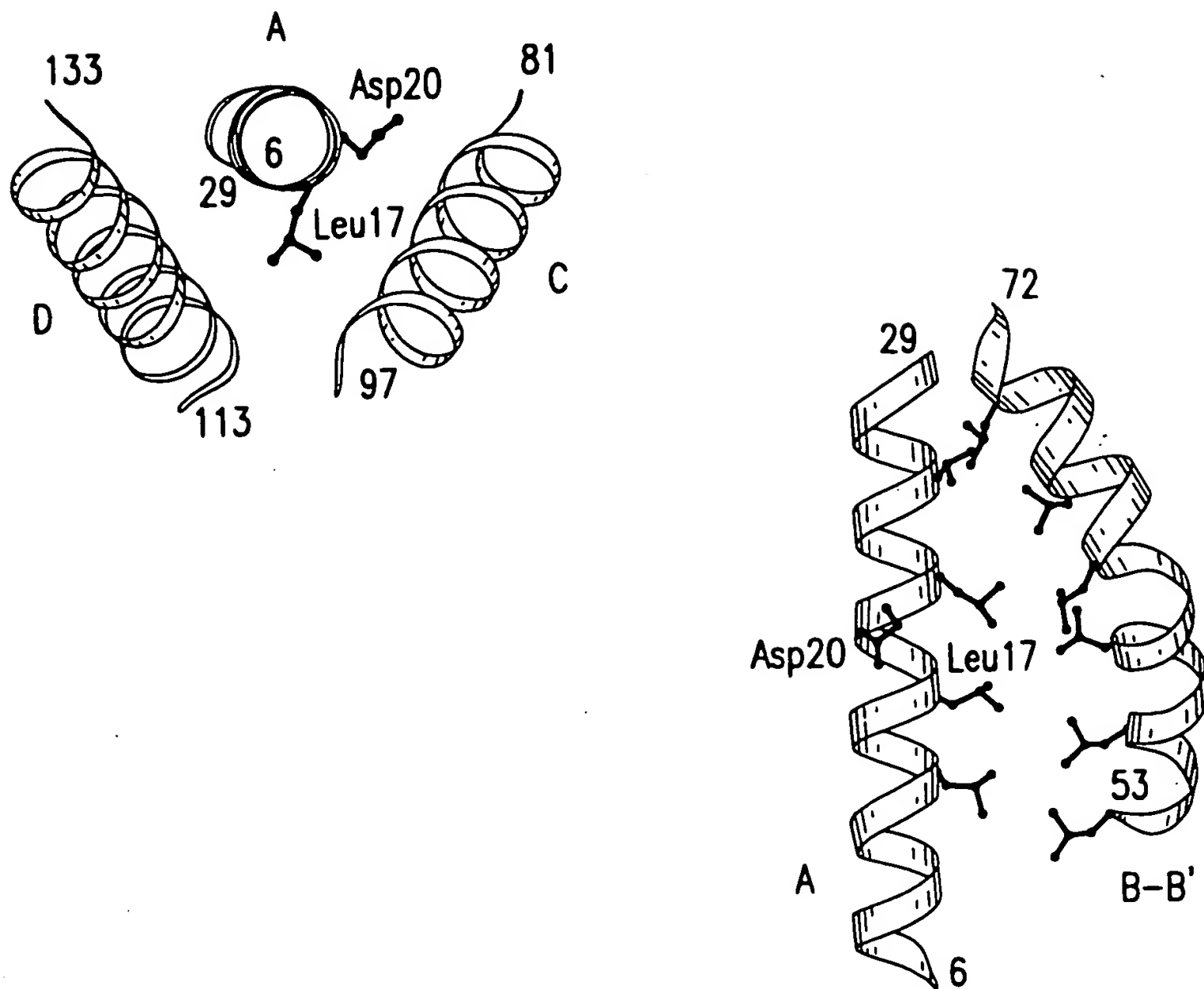
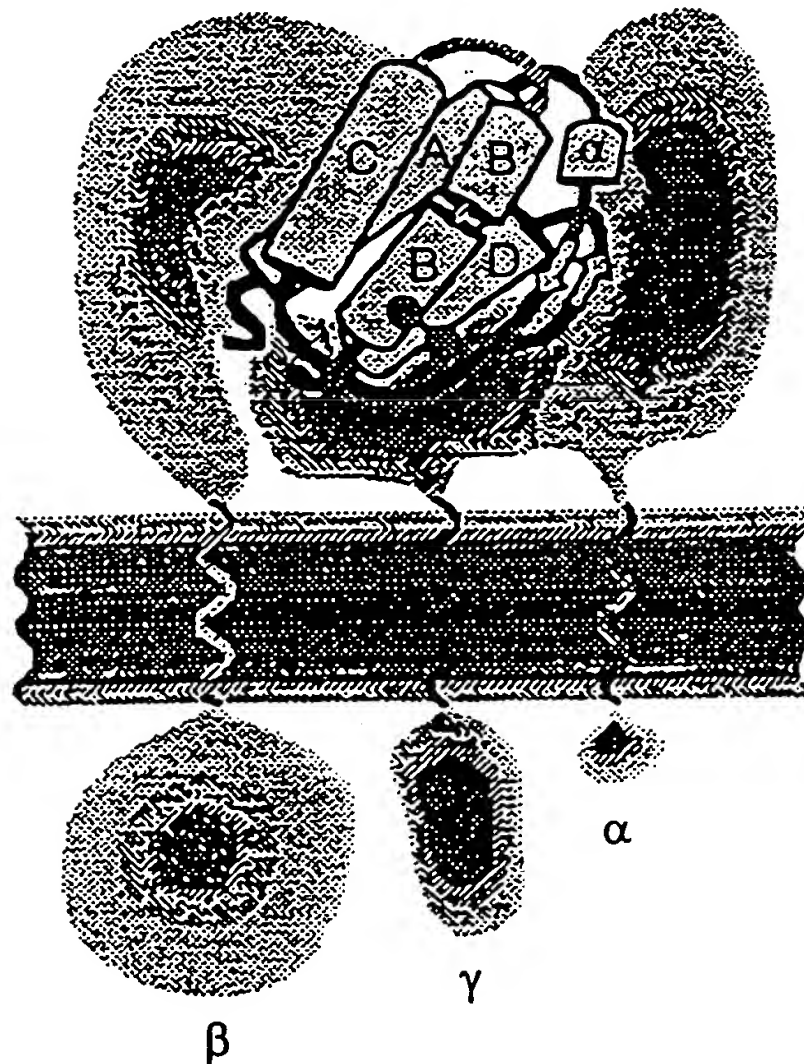
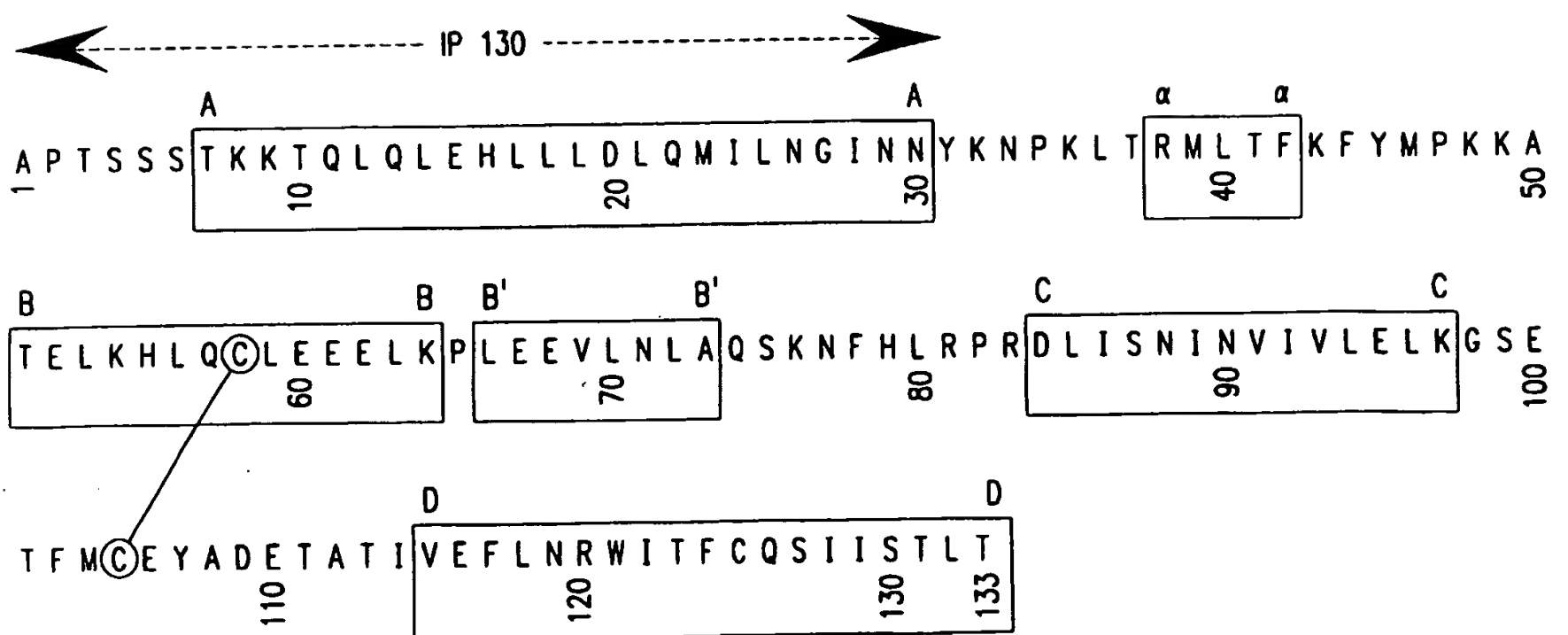


FIG.5

Interleukine-2 receptor



IL-2 AND IP130 SEQUENCE (α -HELICES ARE BOXED)



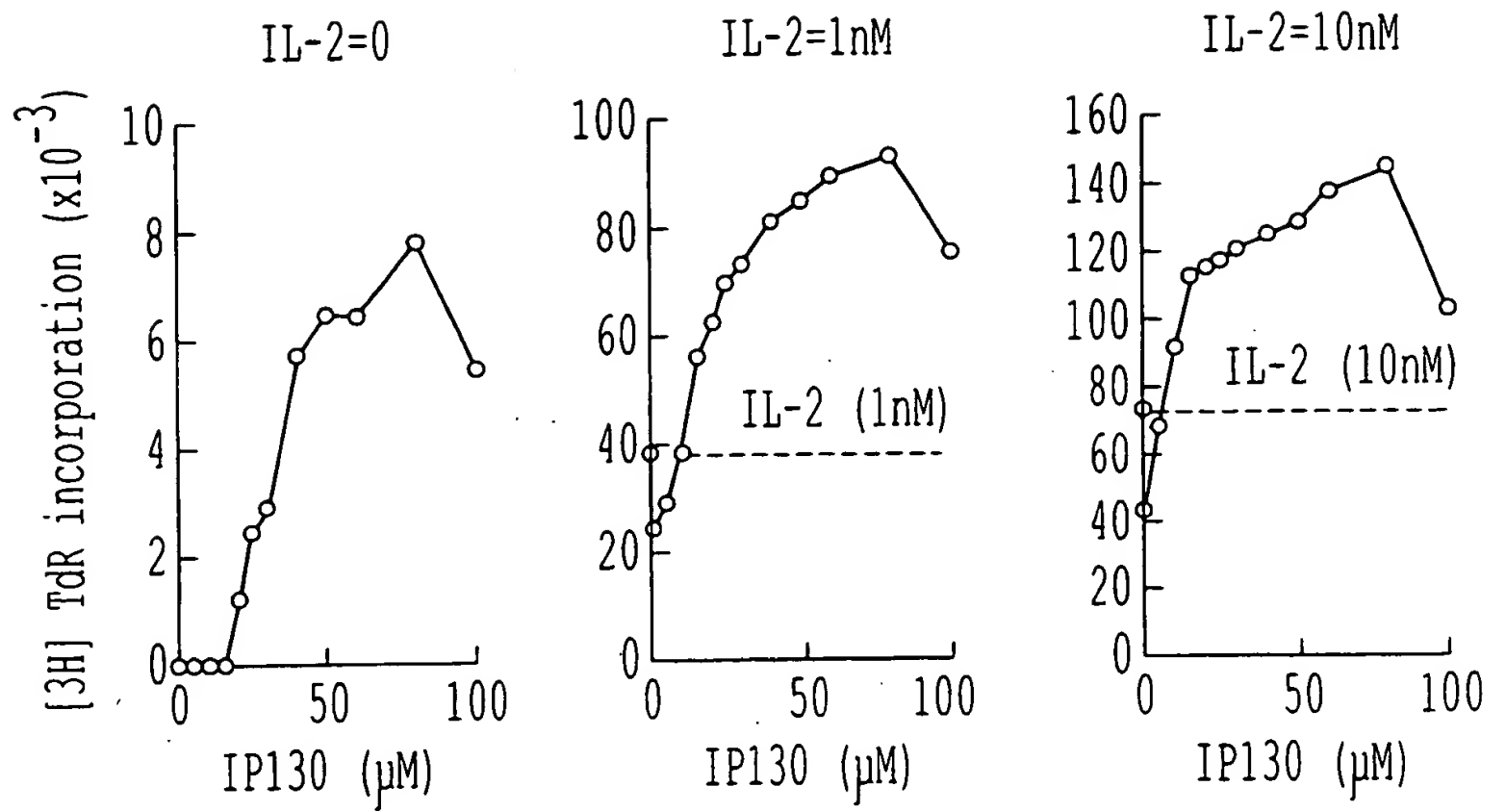


FIG. 7

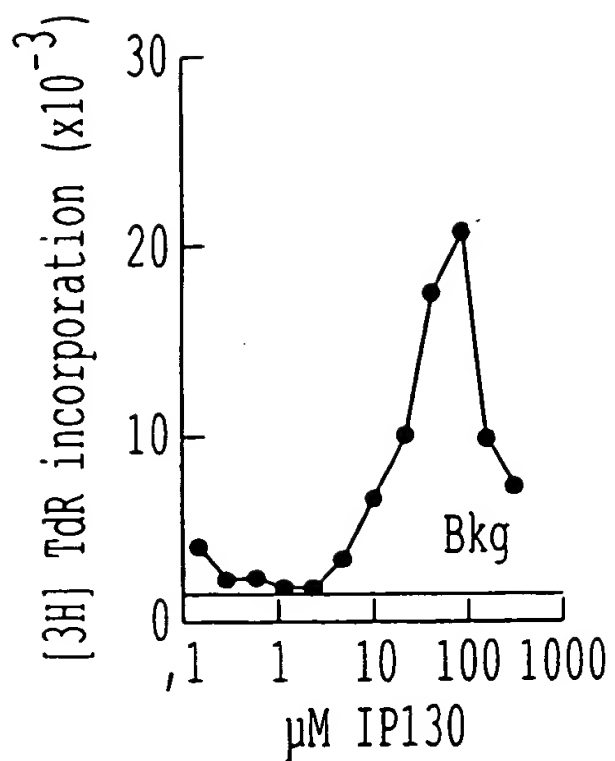


FIG. 8A

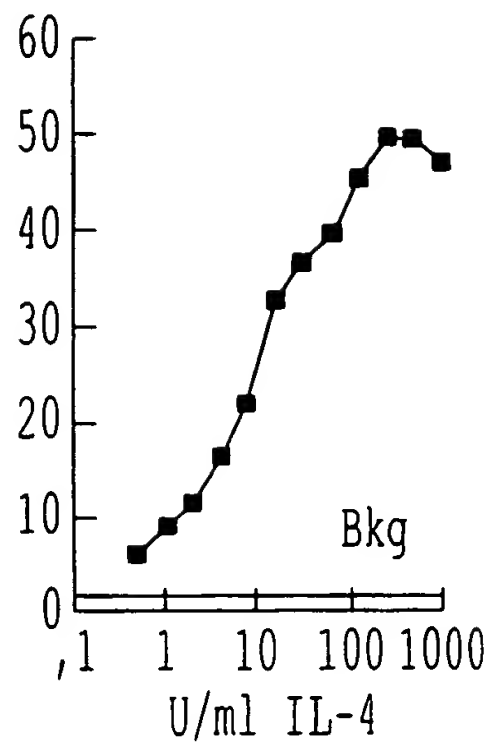


FIG. 8B

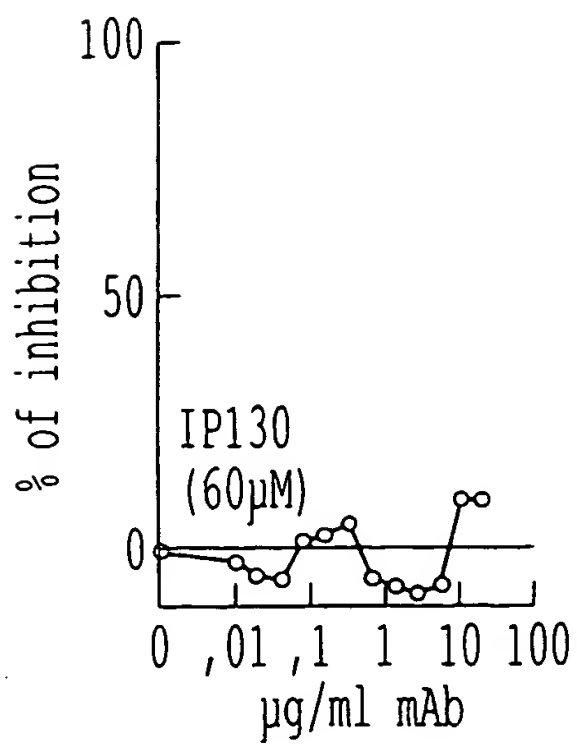


FIG. 8C

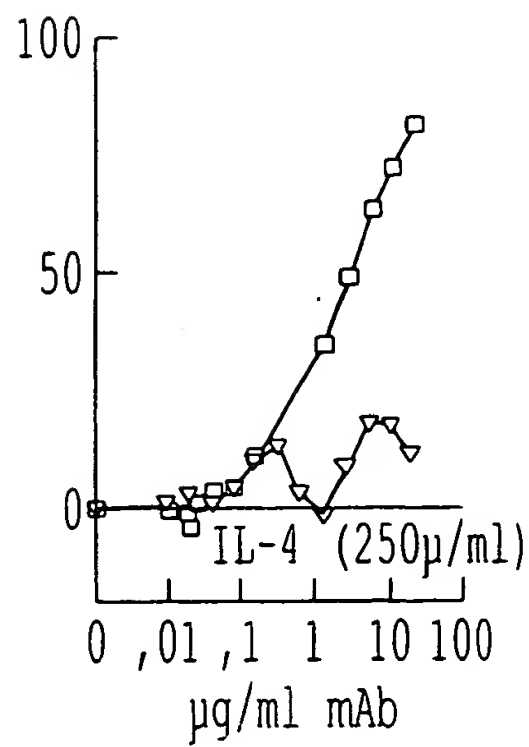


FIG. 8D

• IL-4
○ IL-4 IP130

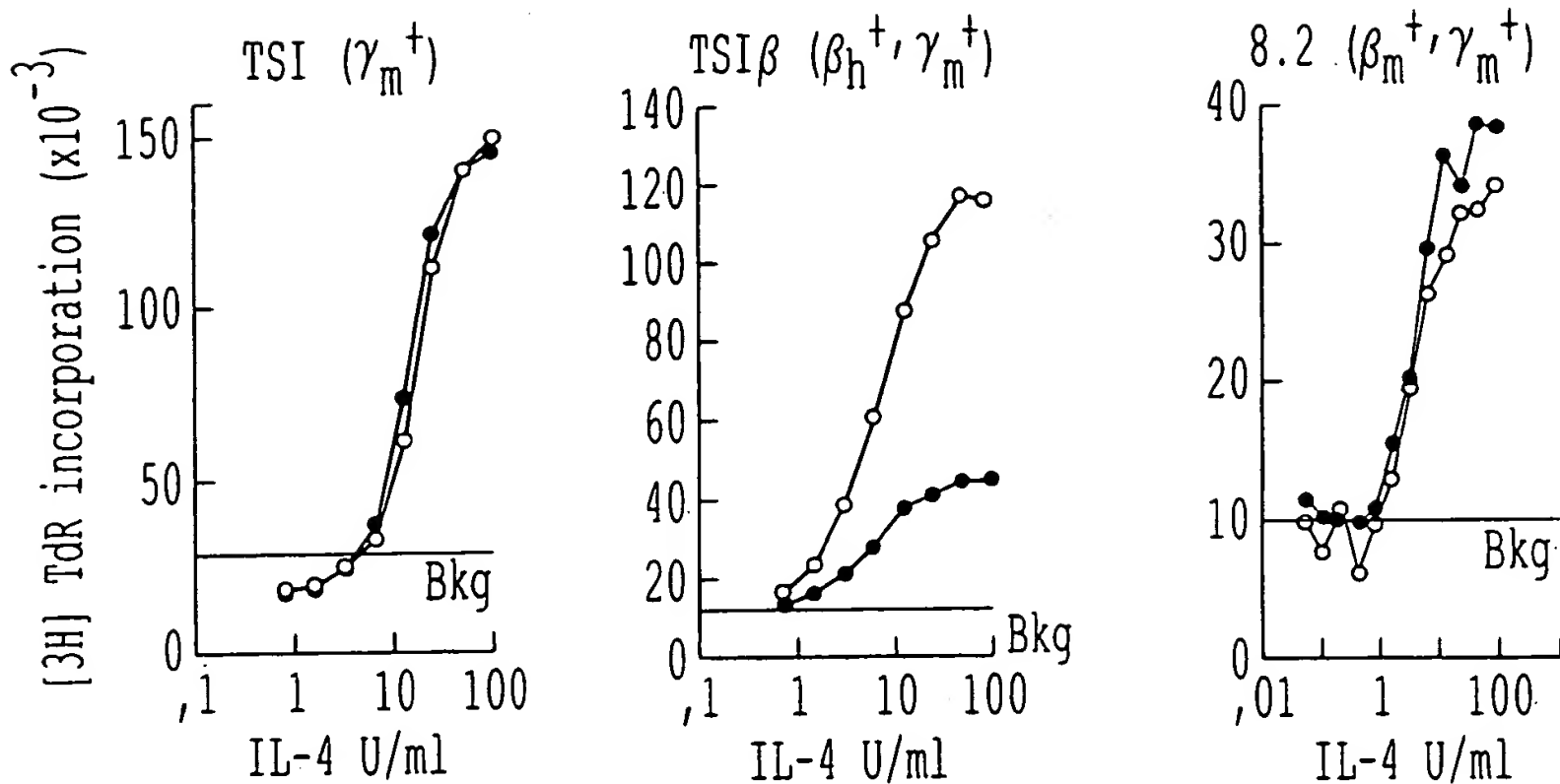


FIG. 9A

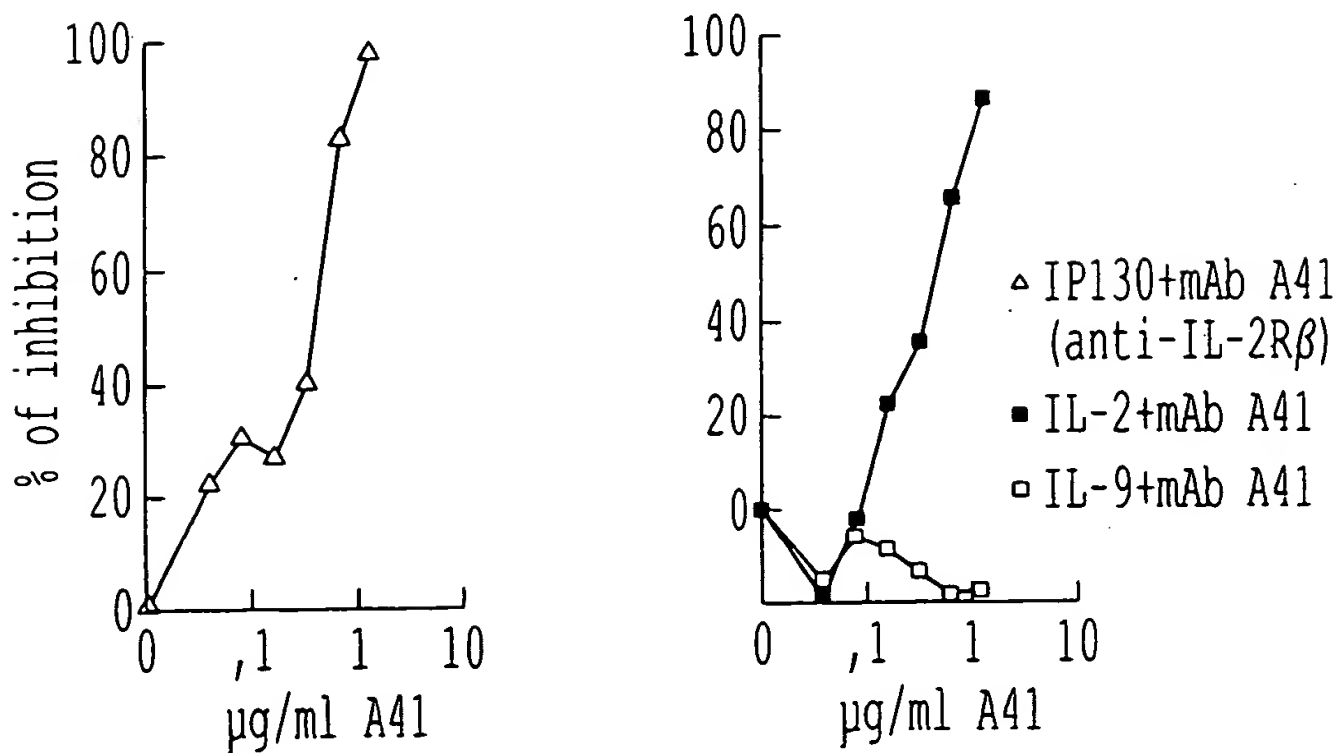
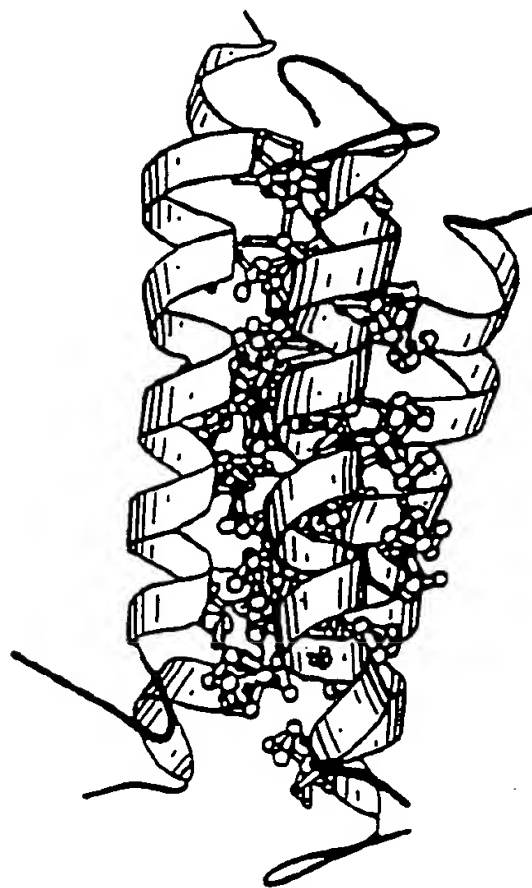


FIG. 9B

				OBLON ET AL (703) 413-3000 DOCKET # 201859US 0 PCT INV. Jacques THEZE ET AL. USSN 09/720,828 Reply to NOTICE REGARDING DRAWINGS DATED 06/28/2004 REPLACEMENT DRAWINGS		
1	10	20	30	% helix (Circular dichroism)	Main molecular species	Activity
APTTSSSTKKTQLQLQLHLLDLQMLNGINN						
<div>130</div>				50% (150 λ 30μM) 35% (4μM)	Telramer (4M-8M, Kd=30-100μM) /Octamer	+++ ++
<div>1030</div>				22% (150 λ 30μM)	Dimer (1M-2M, Kd=0, 2μM) /Telramer (2M-4M, Kd=100μM)	-
<div>122</div>				<2%		-
<div>110</div>				0%	Dimer (1M-2M, Kd=50μM) (2M-4M, Kd=1, 4mM)	-
<div>515</div>				0%	Dimer (1M-2m, Kd=113μM)	-
<div>1020</div>				0%	Monomer	ND
<div>2030</div>				<5%	Monomer	+

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FIG. 10



IP130

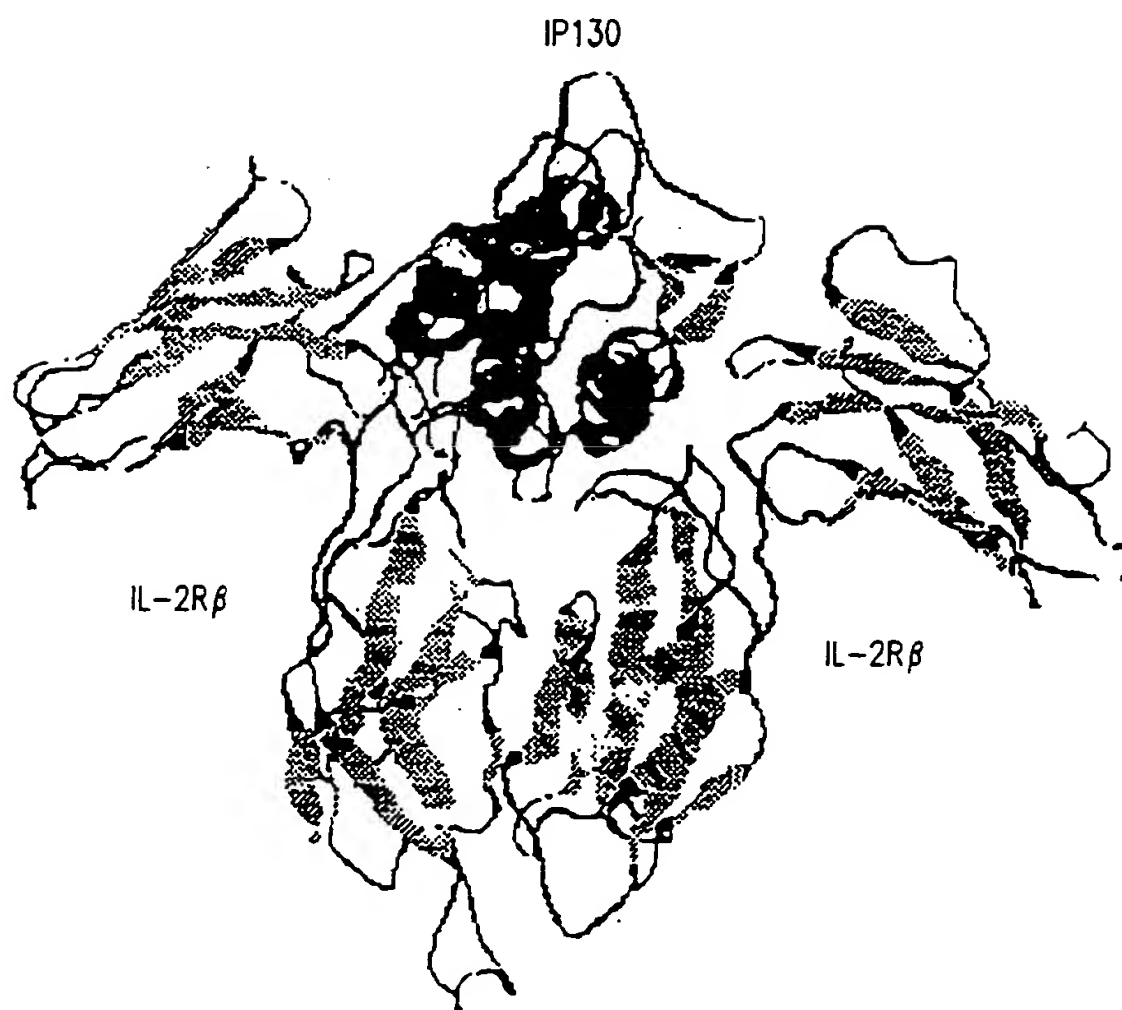


FIG. 11

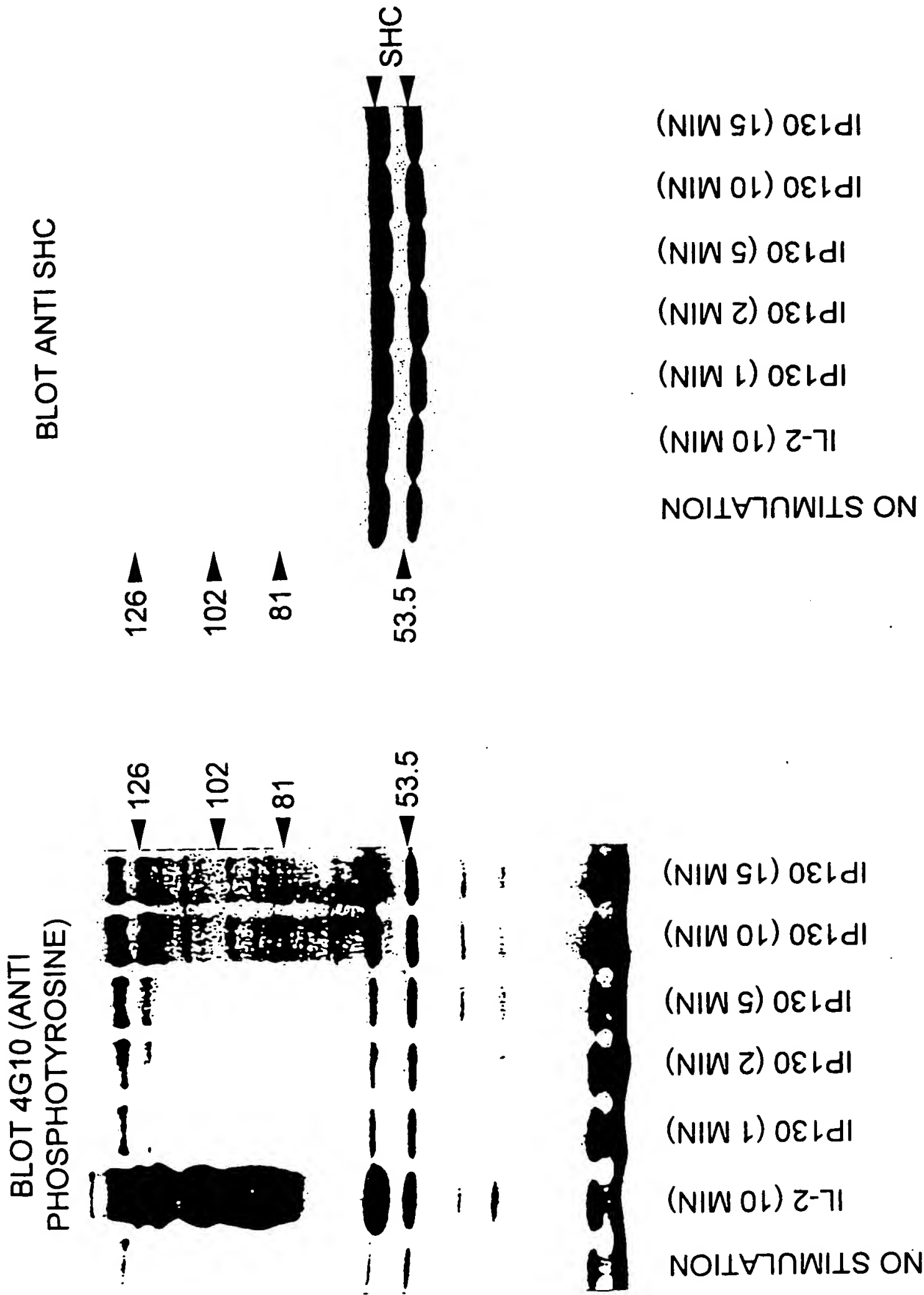


FIG.12B

FIG.12A

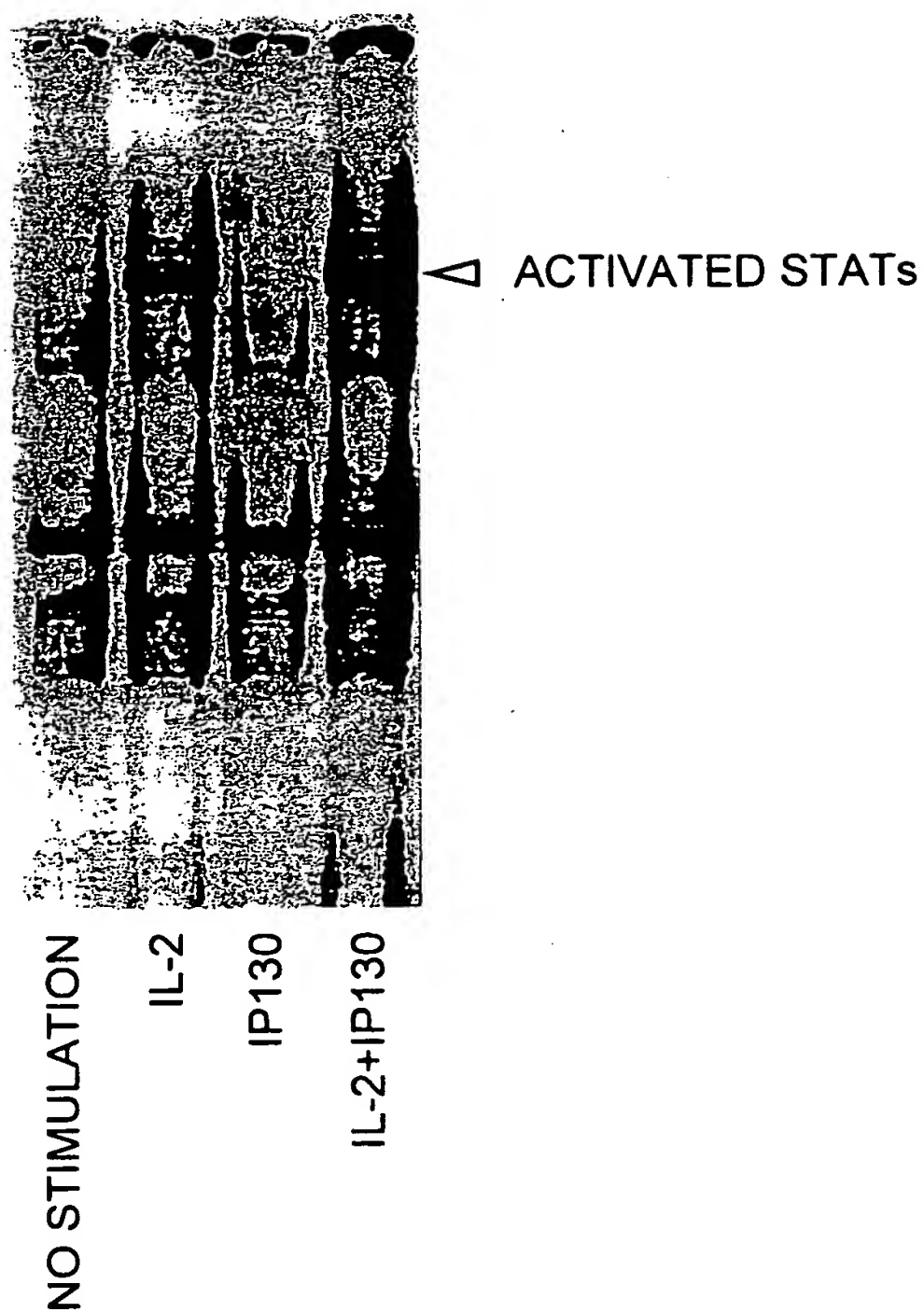


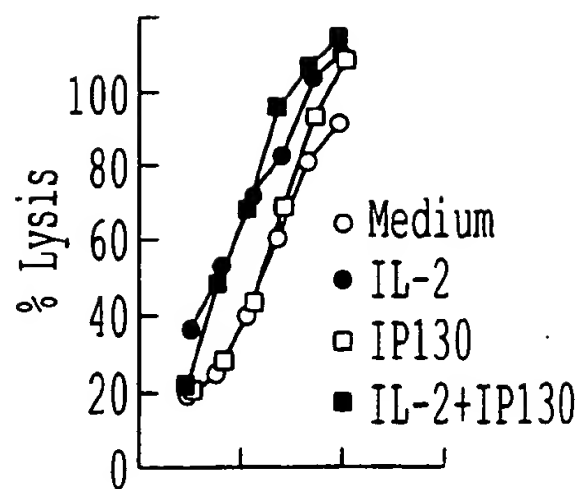
FIG. 13

NK cells (CD56⁺) entering in S+G2/M phases after IP130 stimulation
(synergy with IL-2)

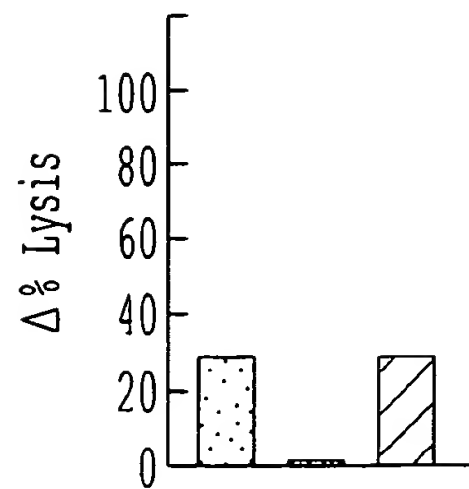
Treatment		J31	J32	J33
IL-2 50 nM		14	12	14
	IP130 60 μ M	0	17	≤ 5
	IP130 120 μ M	0	14	<5
IL-2 50 nM +	IP130 60 μ M	26	21	7
IL-2 50 nM +	IP130 120 μ M	28	28	28

FIG. 15

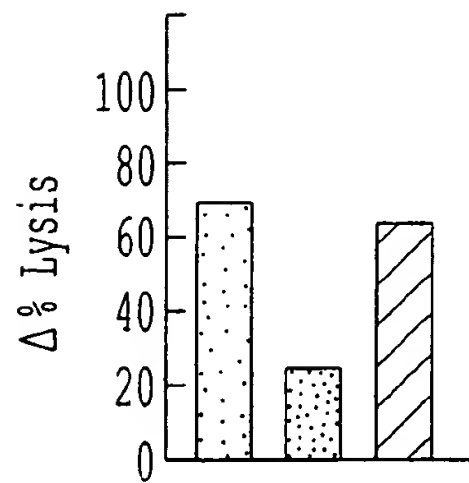
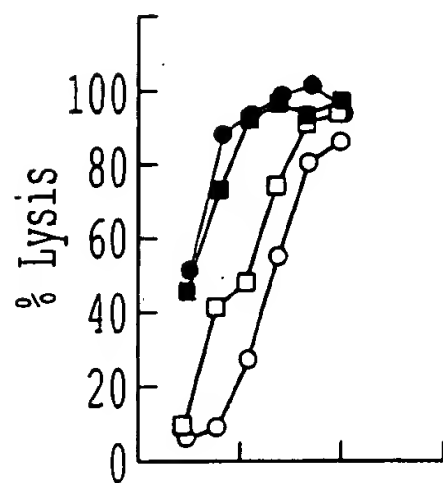
Stimulation
3 Days



Effector / target=10



6 Days



9 Days

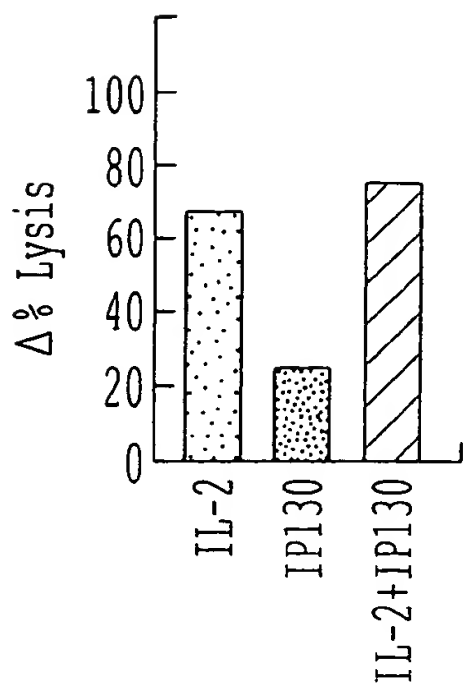
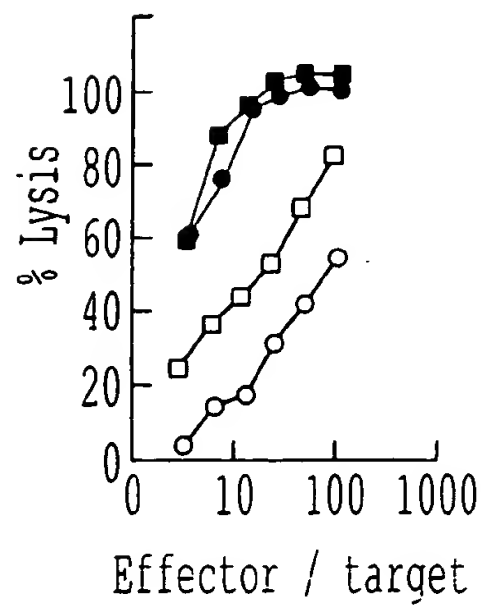


FIG. 16

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